

CTE Skill Certificate Test Performance Documentation

This document must be submitted to the test coordinator along with the test scan sheets at the time of testing. It will be submitted to the USOE for the audit and a copy kept on file for two years.

Course: Physics with Technology
Test Number: 961 (Physics CRT Test)
School:
Instructor's Name:

Students in course:
Students tested:
Date:

1. Appropriately measure, report and interpret data
 - Student successfully follows technical instruction.
 - Select and correctly use appropriate measurement tools to measure a physical property of matter.
 - Data is properly reported/recorded.
 - Student will appropriately create and label a graph of their data.
 - Correctly interpret graphical representation of data.
 - Select and correctly use appropriate mathematical expressions.
2. Determine the electrical properties of matter by observing and measuring voltage and current, in series and parallel circuits.
 - Connect voltmeter correctly into a circuit (parallel or series).
 - Connect amp meter correctly into a circuit (parallel or series).
 - Properly set range and function switches on the meter.
 - Correctly read the meter.
3. Determine thermal properties of matter by measuring heating or cooling of matter over time.
 - Correctly use temperature measuring devices.
 - Accurately record temperature data over time in a graph, table or chart.
4. Measure and analyze objects in motion in linear or rotational systems.
 - Accurately measure linear or angular distance.
 - Accurately measure time.
 - Use the appropriate math formula to calculate a speed or rate.
 - Express answer using appropriate units and numbers.
5. Observe, analyze, and report characteristics of waves.
 - From an oscilloscope or a simulation, determine wave amplitude.
 - From an oscilloscope or a simulation, determine wave frequency.
 - From an oscilloscope or a simulation, determine wave period.
6. Measure, calculate, and report the energy and efficiency of an energy conversion device or system.
 - Determine potential and kinetic energy.
 - Calculate work in and work out.
 - Calculate efficiency.
 - Explain energy loss.

Each performance is documented and kept on file for two years. (check one or more)

- ☐ Individual student performance tracking sheets
- ☐ A class period summary score sheet
- ☐ Recorded and identified in the class grade book

Instructor's Signature: _____

*Attach a copy of the class period roll and draw a single line through any student on the roll not accomplishing ALL required performance objectives at the 80% (moderately to highly skilled) level.